

# DUO LED CONTROLLER

user guide



ProtoPixel

Thank you for choosing the ProtoPixel Duo, the most flexible and powerful ProtoPixel controller for small to medium size installations. Please, read this user guide carefully before using the Duo Controller. For further technical information, visit our help center at [protopixel.io](http://protopixel.io)

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## WHAT'S IN THE BOX



1 Duo Controller



1 Wall Mount Bracket



1 empty 32Gb  
Micro SD Card



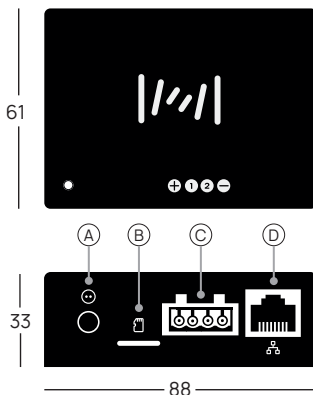
1 Pluggable Terminal  
Block Connector

## 2 hardware overview

### INPUTS & OUTPUTS

- (A) push-button for control
- (B) micro SD slot for recordings
- (C) LED & power connector  
up to 1200 RGB  
or 900 RGBW LEDs
- (D) ethernet connector

(sizes in millimeters)



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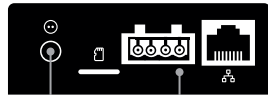
for further information, comments or claims,  
contact us at [support@protopixel.io](mailto:support@protopixel.io)



## 2.1 power & factory reset

### POWER

connect the power supply (accepts 5-24 V DC) to the respective terminals of the pluggable screw connectors.



+ 10 s  
factory reset

power supply  
5-24 V DC

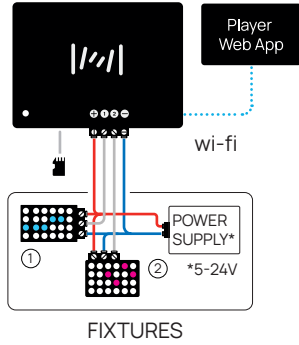
### FACTORY RESET

press & hold the push-button for 10s to restore the Duo Controller to its factory settings.  
from the configuration tool: go to **settings > general > factory reset**

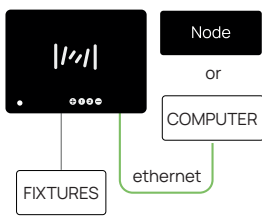
## 2.2 connection examples

### HOW TO CONNECT

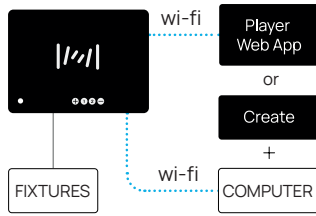
plug the fixtures to your Duo, connect to the wi-fi hotspot & go to the provided IP, control and configure your Duo with the Player Web App.



stand-alone light installation →



↑ essential setup using ethernet



↑ essential setup using wi-fi

visit our help center at [protopixel.io](http://protopixel.io) to check-out more examples and other installations compatible with the Duo Controller.

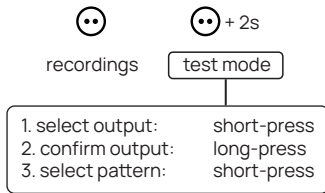
## 3 buttons & indicators

### LED LIGHT

LED light at the top view changes color according to function modes in the Duo Controller

### MODES

control the Duo with the push-button, following instructions indicated at the back.



+ 5s  
reset

+ 10s  
factory reset

### 3.1 LED STATES CHART: wi-fi and ethernet modes

gesture & color	case	category
fast blue	waiting for a Create or Node connection	WI-FI
steady blue	connected to Create or Node	
slow green	obtaining IP address	ETHERNET
fast green	waiting for a Create or Node connection	
steady green	connected to Create or Node	

### 3.2 LED STATES CHART: updates & alarms

gesture & color	case	category
flickering white	reboot	UPDATES
steady cyan	updating file	
slow red	no SD card / error in the update file	ALARMS
fast red	internal problem	